

SEDIMENTARY GEOLOGY—VOLUME 56

*Special issue***LATE PALEOZOIC AND MESOZOIC EOLIAN DEPOSITS OF THE WESTERN INTERIOR OF THE UNITED STATES**

Edited by:

G. KOCUREK*Department of Geological Sciences, University of Texas, Austin, TX 78713, U.S.A.*

Preface	1
Synthesis of late Paleozoic and Mesozoic eolian deposits of the Western Interior of the United States	
R.C. Blakey (Flagstaff, Ariz., U.S.A.), F. Peterson (Denver, Colo., U.S.A.) and G. Kocurek (Austin, Texas, U.S.A.)	3
Basin tectonics and erg response	
R.C. Blakey (Flagstaff, Ariz., U.S.A.)	127
Origins of upper Paleozoic quartzose sandstones, American southwest	
S.J. Johansen (Baton Rouge, La., U.S.A.)	153
Controls on late Paleozoic and early Mesozoic eolian deposition of the western United States	
J.E. Marzolf (Carbondale, Ill., U.S.A.)	167
First-order and super bounding surfaces in eolian sequences—Bounding surfaces revisited	
G. Kocurek (Austin, Ariz., U.S.A.)	193
Pennsylvanian to Jurassic eolian transportation systems in the western United States	
F. Peterson (Denver, Colo., U.S.A.)	207
Wind directions predicted from global circulation models and wind directions determined from eolian sandstones of the western United States—A comparison	
J.T. Parrish and F. Peterson (Denver, Colo., U.S.A.)	261
Complexities in eolian and marine interactions: Processes and eustatic controls on erg development	
M.A. Chan (Salt Lake City, Utah, U.S.A.) and G. Kocurek (Austin, Texas, U.S.A.)	283
Rhizoliths in ancient eolianites	
D.B. Loope (Lincoln, Nebr., U.S.A.)	301
Practical characterization of eolian reservoirs for development: Nugget Sandstone, Utah–Wyoming thrust belt	
S.J. Lindquist (Denver, Colo., U.S.A.)	315
Coastal dune facies, Permian Cutler Formation (White Rim Sandstone), Capitol Reef National Park area, southern Utah	
D.L. Kamola and M.A. Chan (Salt Lake City, Utah, U.S.A.)	341
Interfingering of evaporites and red beds: An example from the Queen/Grayburg formation, Texas	
H.S. Nance (Austin, Texas, U.S.A.)	357
Eolian dune types preserved in the Tensleep Sandstone (Pennsylvanian–Permian), north-central Wyoming	
D.R. Kerr and R.H. Dott, Jr. (Madison, Wisc., U.S.A.)	383
Giant desiccation fissures filled with calcareous eolian sand, Hermosa Formation (Pennsylvanian), southeastern Utah	
D.B. Loope and Z.E. Haverland (Lincoln, Nebr., U.S.A.)	403